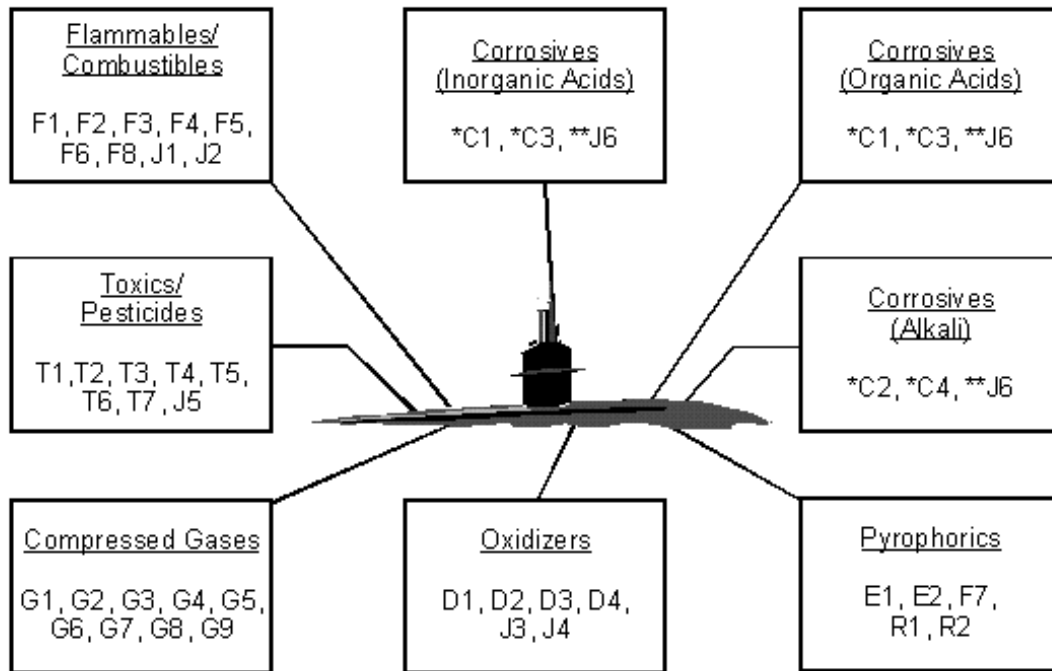


Appendix D15-E

**HAZARDOUS MATERIAL COMPATIBILITY STORAGE DIAGRAM
(USING HAZARD CHARACTERISTIC CODE (HCC))**

The Hazardous Characteristic Code (HCC) for each item can be found in the MSDS located in the Submarine Hazardous Material Control List (SMCL).



Instructions:

1. Each block represents a separate stowage location. The codes in the boxes are grouped with other codes with which they are compatible for storage. Generally, materials with different codes will not be stowed together unless specified below:

a. Inorganic acids may be stowed in a flammable liquid storeroom inside a designated locker, separated by at least three feet from all other material.

b. Organic acids may be stowed in a flammable liquid storeroom inside a designated locker, separated by at least three feet from all other material.

NOTES:

*C1, C3 - HM identified with the C1 or C3 code may be either an inorganic or an organic acid. See page D15-E-2 for examples of inorganic and organic acids.

** J6 - HM identified with J6 may be an inorganic acid, organic acid, or alkali. See page D15-E-2 for examples of inorganic/organic acids and alkalis.

Appendix D15-E

ACID AND ALKALI EXAMPLES

The table below lists common examples of inorganic acid, organic acid, and alkali. Acids identified with the HCC code C1 or C3 may be either inorganic or organic, check carefully before storing. HM items with HCC code J6 may be an inorganic acid, an organic acid, or a alkali; check carefully before storing.

Inorganic acid (C1, C3, J6)	Organic acid (C1, C3, J6)	Alkali (C2, C4, J6)
Alodine Aqua fortis Boric acid Chromic acid Hydrochloric acid Hydrofluoric acid Muriatic acid Nitric acid Oil of Vitriol (sulfuric acid) Orthotolidine solution Phosphoric acid Sodium bisulfate Sulfamic acid Sulfuric acid	Acetic acid Citric acid Cresol Cresylic acid Glacial acetic acid Oxalic acid Sulfosalicylic acid Trichloroacetic acid Vinegar	Ammonia Ammonium hydroxide Barium hydroxide Calcium hydroxide Caustic soda Caustic potash Diethylenetriamine Lithium hydroxide Monoethanolamine Morpholine Potassium carbonate Potassium hydroxide Soda lime Sodium sulfide Sodium hydroxide Sodium metasilicate Sodium phosphate Sodium silicate Sodium hypochlorite Tetraethylenepentamine